



Council of Planning Librarians EXCHANGE BIBLIOGRAPHY

July 1971

201

SOCIAL FACTORS IN ARCHITECTURAL AND URBAN DESIGN

Richard W. Seaton Environmental Psychologist, Associate Professor of Architecture The University of British Columbia

> Mrs. Mary Vance, Editor Post Office Box 229 Monticello, Illinois 61856



Council of Planning Librarians EXCHANGE BIBLIOGRAPHY #201

SOCIAL FACTORS IN ARCHITECTURAL AND URBAN DESIGN

Richard W. Seaton Environmental Psychologist Associate Professor of Architecture University of British Columbia

A little less than five years ago a course with the title above was begun at the Department of Architecture of the University of California at Berkeley. I taught it for three years before moving to Canada and since then Roger Montgomery assumed responsibility for it. During these years probably several thousand architectural students were given initial introduction to ideas in a set of writings converging in a single issue: men when awake are rarely alone and almost always in communion with each other in groups; and the nature of that communion is or can be shaped by architecture. This perspective, conventional now, at the time represented a shift from the then-dominant perspective of architecture as being primarily an art form governed by an aesthetic of plasticity and spacial sequencing.

The course entailed a fairly intense load of readings, lectures, discussions and empirical examination of and experimentation with human social responses to designed spaces. Its literature thus covered a wide area, ranging from methods of research design to considerations of the reality of the group mind, and from examination of nose-to-nose distance in the heterosexual diad or the current status of the mobile nuclear family to the design implications of the "overlapping groups" system of management structure in formal ogranizations. When Professor Montgomery assumed responsibility for the course he sought to bring order cut of chaos by arranging heterogeneous reading assignments under a general introduction which is briefly reproduced hereafter.

Between the fall of 1966 and the spring of 1969 Dr. Richard W. Seaton, lecturer in Behavioral Sciences in Architecture, offered his introductory course, Architecture 140, Social and Cultural Factors in Architecture and Urban Design. He designed the course, its syllabus, its reading list and its unique student assignments for original, small scale social research into human behavior related to architectural space.

The course was offered six times during this three year period. Each time modifications were made based on revised intentions and on feedback from preceding quarter's experience. However, its general format remained reasonably constant. So did the readings.

In the hope it may prove useful to others, to students who will not have an opportunity to take the course, and to teachers elsewhere who may wish to incorporate some of the work, the following compilation of the Seaton reading list is offered. In it appears every required and

recommended reading which appeared in course outlines over the six quarters Seaton offered Arch 140.

The list is arranged sequentially according to the order of topics used for lectures, discussions and reading assignments. The topic headings are not Seaton's but are my translation and compaction of those he used. This was done because he varied them from time to time. Not all of the readings were assigned each time. Understandably some materials disappeared from the list as time went by. Others were added. Following each entry the number in brackets indicate which quarter the specific item was used. The number code is:

1 - Fall 1966 2 - Winter 1967 3 - Fall 1967 4 - Winter 1968 5 - Winter 1968 6 - Spring 1969

This compilation was originally prepared during the Summer Quarter 1969 when I replaced Seaton and offered his course. It is being reproduced for the benefit of the graduate students in the new Architecture 200A-200B-200C course sequence which in the 1969-1970 academic year replaced the upper division major courses as the introductory work for graduate architecture students who did not complete majors in Architecture in the undergraduate work.

Roger Montgomery Professor of Urban Design Department of Architecture and City and Regional Planning College of Environmental Design University of California, Berkeley Digitized by the Internet Archive in 2010 with funding from University of Illinois Urbana-Champaign

I RATIONALE FOR THE COURSE

- Chase, Stuart, The Proper Study of Mankind, London: Phoenix House, 1950, Chapters 4-8 (pp. 45-92).

 (1)
- Mannheim, Karl, Systematic Sociology, New York: Grove, 1957, Chapter 3 ("Social Contact and Social Distance," pp. 43-55) and Chapters 8-9 (The Sociology of Groups," pp. 103-122).

 (1)
- Sommer, Robert, <u>Personal Space</u>, Englewood Cliff: Prentice Hall, 1969, Chapter 1 ("Values in the Design Process The Axiology of Space", pp. 3-11) and Chapter 2 ("The Alpha Animal", pp. 12-14). (5,6)

II METHODOLOGY OF BEHAVIORAL SCIENCE

- Argyle, Michael, The Scientific Study of Social Behavior, New York:
 Philosophical Library, 1957, Chapter 2 ("Methods of Studying Social Behavior," pp. 13-53).

 (1,2,3,4,5,6)
- Cameron, William B., <u>Informal Sociology</u>, New York: Random House, 1963, Chapter 1 ("Elements of Statistical Confusion," pp. 3-12) and Chapter 2 ("Knowledge without Number," pp. 13-30).

 (1,2,3,4)
- Festinger, Leon, Stanley Schachter and Kurt Back, Social Pressures in Informal Groups, Palo Alto: Stanford University Press, 1950, Appendix ("The Methodology of Field Study," pp. 179-192).

 (1)
- Kendall, Patricia A. and Paul F. Lazarsfeld, "Problems of Survey Analysis," in Robert K. Merton and Paul Lazarsfeld (eds.),

 <u>Continuities in Social Research</u>, Glencoe: Free Press, 1950,

 <u>Part 1 (pp. 133-167)</u>.

 (1)
- Lazarsfeld, Paul F., "Interpretation of Statistical Relations as a Research Operation," in Paul F. Lazarsfeld and Bernard Rosenberg (eds.) The Language of Social Research, Glencoe: Free Press, 1955, Chapter II, A.I. (pp. 115-125).

 (2,5,7)

III CONCEPT OF SOCIAL GROUP

Asch, Solomon E., Social Psychology, New York: Prentice-Hall, 1952, Chapter 9 ("An Introduction to Group Theory," pp. 240-272).

(1,2,3,4)

Kendall, Patricia L. and Paul F. Lazarsfeld, "The Relation between Individual and Group Characteristics in 'The American Soldier'," in Paul F. Lazarsfeld and Bernard Rosenberg. op.cit., Chapter IV.A.I. (pp. 290-296).

(2,3,4,5,6)

- Lazarsfeld, Paul F. and Herbert Menzel, "On the Relation between Individual and Collective Properties," in Amitai Etzioni (ed.), Complex Organizations: A Sociological Reader, New York: Holt, Rinehart & Winston, 1962, (pp. 422-440).

 (1,2,3,4)
- Merton, Robert K., "Classification of Types of Membership Groups," in Robert K. Merton Social Theory and Social Structure, Glencoe: Free Press, 1957, (pp. 308-326).

 (5,6)
- Sprott, W. J. H., Human Groups, Baltimore: Penguin, 1958, Introduction and Chapter I ("Defining the Field," pp. 1-22).
 (1,2,3,4,5,6)
- op.cit., Chapter 9, ("Experimental Groups III: Group Structures," pp. 138-159).

 (5.6)
- IV INDIVIDUAL IN INTERPERSONAL SPACE. (INDIVIDUAL IN PUBLIC PLACES).
 - Altman, Irwin and William W. Haythorn, "The Ecology of Isolated Groups," Behavioral Science, 12 (3), 1967, pp. 169-182.
 - Argyle, Michael and J. Dean, "Eye-contact, Distance and Affiliation," Sociometry 28, 1965, pp. 289-304.

 (5)
 - Argyle, Michael, The Psychology of Interpersonal Behavior, Baltimore: Penguin, 1967, Chapter 6 ("Eye Contact," pp. 105-118).

 (5,6)
 - Barker, Roger G., Ecological Psychology, Palo Alto: Stanford, 1968, pp. 42-84. (5)
 - _____, "On the Nature of the Environment," Journal of Social Issues, 19 (4), 1963, pp. 17-38.

 (5)
 - , The Stream of Behavior, New York: Appleton-Century-Crofts, 1963, Chapter 1 ("The Stream of Behavior as an Empirical Problem," pp. 1-22).

(5)

- Barker, Roger G. and Herbert F. Wright, The Midwest and Its Children, New York: Harper, 1955.
- Bass, Bernard M. and S. Klubeck, "Effects of Seating Arrangements in Leaderless Group Discussions," Journal of Abnormal and Social Psychology, 47, 1952, pp. 724-727.

 (5)
- Beyer, Glenn H., Housing and Society, New York: MacMillan, 1965, Chapter 13, ("Housing the Aged," pp. 405-447).
- Blood, Robert O. and William P. Livant, "The Use of Space within the Cabin Group," <u>Journal of Social Issues</u>, 13 (1) 1957, pp. 47-53.
- Cameron, William B., op.cit., Chapter 5 ("Physical Setting and Intellectual Climate," pp. 56-66).

 (1,2,3,4)
- Exline, Ralph V., "Explorations in the Process of Personal Perception: Visual Interaction in Relation to Competition, Sex and the Need for Affiliation," <u>Journal of Personality</u>, <u>31</u>, 1963, pp.1-20.
- Goffman, Erving, Behavior in Public Places, New York: Free Press, 1963, Chapter 9 ("Communications Boundaries," pp. 151-165).
- , The Presentation of Self in Everyday Life, Garden City:
 Doubleday Anchor, 1959, Chapter 3 ("Regions and Region Behavior,"
 pp. 106-140).

(1,4,5,6)

- _____, op.cit., Chapter 6 ("The Arts of Impression Management," pp. 208-227).
- Hall, Edward T., The Silent Language, Garden City: Doubleday, 1959; also Greenwich, Fawcett, 1959, Chapter 10 ("Space Speaks," pp. 146-164).

(1,4,5,6)

- , op.cit., Chapter 2, ("What is Culture?", pp. 31-41) and Chapter 3 ("The Vocabulary of Culture," pp. 42-62).

 (4)
- Parkinson, C. Northcote, <u>Parkinson's Law</u>, New York: Ballantine, 1964, Chapter 7 ("Personality Screen, or the Cocktail Formula," pp. 91-98).

(1,2,3)



- Raush, Harold L., Allen T. Dittmann and Thaddens J. Taylor,
 "Person, Setting and Change in Social Interaction," Human Relations, 12, (4) 1959, pp. 361-378.

 (5)
- Rose, Arnold M., "Living Arrangement of Unattached Persons,"

 American Sociological Review, 12, 1947, pp. 429-435.

 (1)
- Sommer, Robert, "Studies in Personal Space," Sociometry, 22, 1959, pp. 247-260. (1,2,3,4)
- Sommer, Robert, "The Distance for Comfortable Conversation," Sociemetry, 25, 1962, pp. 111-116.
 (1,2,3,4)
- Van der Ryn, Sim, A Plan and Program for Student Housing and Campus

 Development for The North Carolina School of the Arts, Berkeley,

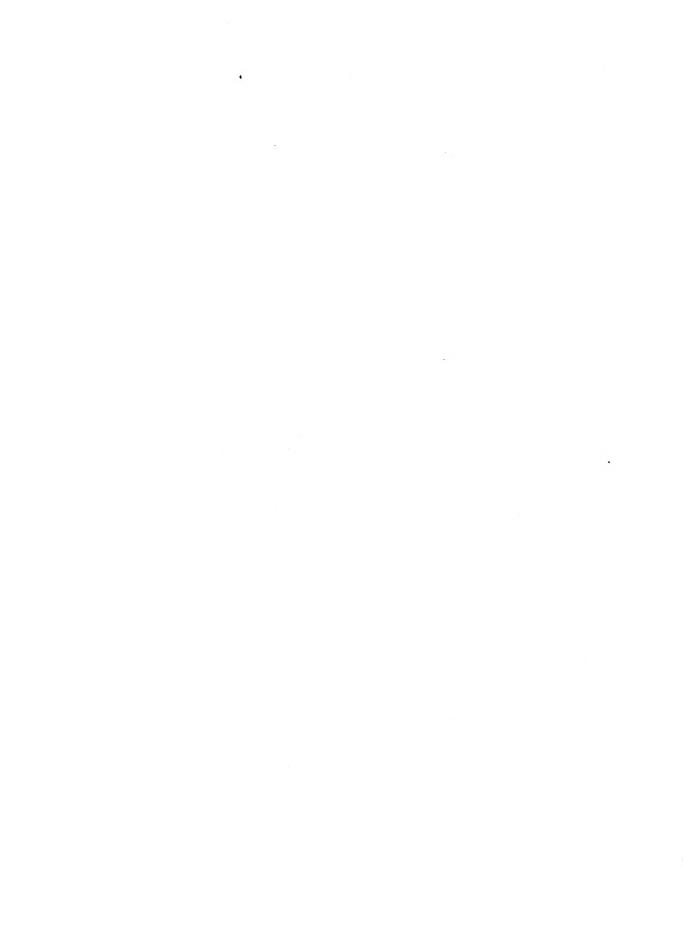
 Calif., 1966.

 (1.2.3)
- Webb, Eugene J., Donald T. Campbell, Richard D. Schwartz and Lee Sechrest, <u>Unobtrusive Measures</u>, Chicago: Rand McNally, 1966, Chapter 1, ("Approximations to Knowledge," pp. 1-34). (5,6)
- Weiss, Robert S. and Serge Bouterline, Fairs, Pavilions and Their Audiences, mimeographed, copyright R.S. Weiss, 1962, Part II ("The Pavilion," sections 1-4, pp. 92-131) and Part III, Section 3 ("Experiments in the Children's Area of the Science Pavilion," pp. 174-189).

 (1,2,3,4,5)
- Westin, Alan F., Privacy and Freedom, New York: Athenaeum, 1966, Chapter 2 ("Privacy in the Modern Democracy," part only pp. 23-51) and Chapter 3 ("Intrusions on Privacy: Self-Revelation, Curiosity and Surveillances," pp. 52-63).

Va PRIMARY GROUPS: GENERAL.

- Hare, A. Paul, Handbook of Small Group Research, New York: Free Press, 1962, Chapter 8 (Group Size, pp. 224-254).
- Sprott, W. J. H., op.cit., Chapter 2 ("Hembers of the Group," pp. 23-38) and Chapter 3 ("The Study of Small Groups," pp. 39-50). (1,2,3,4,5,6)
- Strodbeck, F. and L. Hook, "The Social Dimensions of the 12-Man Jury Table," Sociometry, 24, 1961, pp. 397-415.



- Steinzor, B., "The Spatial Factor in Face-toFace Discussion Groups,"

 Journal of Abnormal and Social Psychology, 45, 1950, pp. 552-555.

 (1)
- Vb PRIMARY GROUPS: FAMILY.
 - Beyer, Glenn H., Housing and Personal Values, Ithaca: Cornell University Agricultural Experiment Station Memoir 364, July 1959.
 (1)
 - Bloom, Samuel W., The Doctor and His Patient, New York: Free Press, 1963, Chapter 5 ("The Family," pp. 119-127).

 (4)
 - Bott, Elizabeth, Family and Social Network, London: Tavistock, 1957, Chapter 8 ("Summary and General Discussion," pp. 216-230). (1,2,3,5,6)
 - Foote, Welson N. and others, Housing Constraints and Housing Choices, New York: McGraw-Hill, 1960, Chapter 5 ("Consumer Differences," pp. 95-133).

 (1,2,3,4,5,6)
 - Seeley, John R. and others, Crestwood Heights, New York: Basic Books, 1956, Chapter 3 ("Shelter," pp. 42-62) and Chapter 7 ("The Family," pp. 159-233).
 - Sprott, W.J.H., op.cit., Chapter 4 ("Permanent Small Groups I: the Family," pp. 57-73).

 (1.2.3.4.5.6)
 - yillage," pp. 74-88). ("Permanent Small Groups II: the (5,6)
 - Wilner, Daniel M. and others, <u>The Housing Environment and Family Life</u>, Ealtimore: Johns Hopkins, 1962, Part 5 ("Review of Findings," pp. 239-252).

 (1,2,3,5)
 - Zelditch, Morris Jr., "Role Differentiation in the Nuclear Family:
 A Comparative Study" in Talcot Parsons and R.F. Bales (eds.)
 Family, Socialization and Interaction Process, Glencoe: Free
 Press, 1955, (pp. 307-351).

 (1)
- Vc PRIMARY GROUPS: NEIGHBORHOOD AND NEIGHBORING.
 - Beyer, Glenn H., Housing and Society, Chapter 9 ("The Neighborhood," pp. 313-327).

as a second of the second of t

- Bott, Elizabeth, op.cit., Chapter 4 ("Factors Affecting Social Networks," pp. 97-113).

 (1,2,3,4,5,6)
- Cooper, Clare, Some Social Implications of House and Site Plan

 Design at Easter Hill Village: A Case Study, Berkeley: Center
 for Planning and Development Research, Prepublication draft,
 1966, Chapter 9 ("Summary, Conclusions and Recommendations,"
 pp. 248-288).

(1,2,3,5)

- Cunningham, James V., The Resurgent Neighborhood, Notre Dame, Ind.: Fides, 1965, Chapter 2 ("What is a Neighborhood," pp. 23-42) and Chapter 3 ("Pieces of Metropolis," pp. 43-68).

 (1)
- Festinger, Leon and others, op.cit., Chapter 3 ("The Spatial Ecology of Group Formation," pp. 33-59).

 (1,2,3,4,5)
- Gans, Herbert, "Urbanism and Suburbanism as Ways of Life: A
 Re-evaluation of Definitions," Arnold M. Rose (ed.), Human
 Behavior and Social Process, Boston: Houghton-Hifflin, 1961,
 (pp. 625-648).

 (1,2,3)
- Jacobs, Jane, The Death and Life of Great American Cities, New York: Random House, 1961, Chapter 6 ("The Uses of City Neighborhoods," pp. 172-140).

 (1)
- , "Downtown Is for People," in Editors of Fortune (eds.),

 The Exploding Metropolis, Garden City: Doubleday (Anchor),

 1958, Chapter VI, (pp. 140-168).

 (1,2,3,5,6)
- Keller, Susanne, The Urban Neighborhood, New York: Random House, 1968, Chapter 1, ("Neighbors and Neighboring," pp. 19-86).

 (5,6)
- , op.cit., Chapter 2 ("The Neighborhood," pp. 87-121),
 Chapter 3 ("The Neighborhood Unit Reconsidered," pp. 125-147)
 and Chapter 4 ("Implications for Planning the Human Environment,"
 pp. 149-164).
- Merton, Robert K., "The Social Psychology of Housing," Wayne Dennis and others (eds.) Current Trends in Social Psychology, Pittsburgh: University of Pittsburg, 1948, (pp. 163-204).

 (1)
- Sprott, W. J. H., op.cit., Chapter 6, ("Permanent Small Groups III: The Neighborhood," pp. 89-105).
 (1,2,3,4,5,6)

•

- Wallace, Anthony F.C., Housing and Social Structure, Philadelphia: Philadelphia Housing Authority, 1952, ("The Elevator-Apartment Project," pp. 95-100).

(5,6)

- Whyte, William H. Jr., "Are Cities Un-American?" Editors of Fortune op.cit., Chapter I (last half, pp. 19-31). (1,2,3)
- , op.cit., Chapter 25 ("Web of Freindship," pp. 364-386) and Chapter 26 ("The Outgoing Life," pp. 387-404). (1,2,3,4,5)

VI WORK ORGANIZATIONS AND SETTINGS

- Argyle, Michael, op.cit., Chapter 9 (pp. 150-180).
- Bass, Bernard H., Organizational Psychology, Boston: Allyn & Bacon, 1965, Chapter 6, ("Working in Groups." sections 1 & 2, pp. 191-213).

(1,2,3,4,5,6)

- , op.cit., Chapter 7 ("Industrial Organization," sections 5 & 6, pp. 252-283). (1.2.3.4.5.6)
- Blau, Peter II. and R.W. Scott, Formal Organizations: A Comparative Approach, San Francisco: Chandler, 1962 (pp. 82-83, 111-115, 214-217). (1)
- Deasey, Cornelius M. and Robert D. Balling, Social-Psychological Considerations in Architectural Planning, Los Angeles: Deasy & Bolling, 1966, 21p. (5,6)
- Dubin, Robert, "Stability of Human Organization," Nason Haire (ed.), Modern Organizational Theory, New York: Wiley, 1959, (pp. 218-253). (1)
- Duffy, Francis, "User and the Office Building," Building Research, 5 (3), 1968 (July - September), pp. 31-37. (5,6)
- Meier, Richard L., A Communication Theory of Urban Growth, Cambridge, MIT Press, 1962, Chapter 4 (section on "Responses to Communication Stress," pp. 74-79).



- Miller, E.J., "Technology, Territory and Time: The Internal Differentiation of Complex Production Systems," Human Relations, 12, 1959, pp. 243-252.

 (1)
- Schein, Edgar H., Organizational Psychology, Englewood Cliffs: Prentice Hall, 1965, part of Chapter 3 ("Job Design and Human Engineering," pp. 26-32), part of Chapter 4 ("Organization Man and the Process of Management: Types of Organizational Relationships," pp. 43-47).

(1,2)

ystem, pp. 88-95) and Chapter 7 ("Organization as a Complex pp. 96-106).

(1,2)

- Wells, B. W. P., "The Psycho-Social Influence of the Building Environment: Sociometric Findings in Large and Small Office Spaces," <u>Building Science</u>, 1, 1965, pp. 153-165.

 (4.5)
- Whyte, William F., Human Relations in the Restaurant Industry,
 New York: McGraw-Hill, 1948, Chapter 3 ("The Human Structure of
 the Restaurant," pp. 17-30) Chapter 4 ("Status in the Kitchen,"
 pp. 33-46) Chapter 6 ("Life in the Service Pantry," pp. 64-80).

 (5,6)

VII MISCELLAMEOUS BEHAVIOR SETTINGS AND ENVIRONMENTS

- Agee, James and Walker Evans, Let Us Now Praise Famous Men: Three Tenant Families, Boston: Houghton Mifflin, 1960, ("Education," pp. 259-315).
- Bloom, Samuel, op.cit., Chapter 7, ("The General Hospital as a Human Organization," pp. 160-183) and Chapter 8 ("Some Early Contributions to the Sociology of the Mental Hospital," pp. 184-208).

(1,2)

- Bristol, Lee H. Jr., (ed.), <u>Developing the Corporate Image</u>, New York: Scribner's, 1960, <u>Chapter I (P. Martineau</u>, "The Corporate Personality," pp. 3-13); <u>Chapter 16 (D. Ogilvy</u>, "The Image and the Brand," pp. 167-172); and <u>Chapter 25 (Peter Schladermandt</u>, "The Image and Design," pp. 238-248). (1,2)
- Burch, William R. Jr., "The Play World of Camping: Research into the Social Meaning of Outdoor Recreation," American Journal of Sociology, 70, 1965 (March), pp. 604-612.

- Good, Lawrence R., S. M. Siegal, and A. P. Ray, Therapy by Design:
 Implications of Architecture for Human Behavior, Springfield,
 Ill.: C.C. Thomas, 1965, Chapter 1 ("Historical Background,"
 pp. 1-9).

 (1)
- Goffman, Ervin, "The Characteristics of Total Institutions," in Amitai Etzioni, op.cit., (pp. 312-340).

 (1,2,3,4,5,6)
- , Asylums, Garden City: Doubleday (Anchor), 1961, Parts III VII ("Characteristics of Total Institutions: The Inmate World," pp. 35-66) and Part I ("The Underlife of a Public Institution; Places," pp. 227-254).

 (1)
- Gossack, Martin H., "Product Areas: Psychology and Commercial Banking," in Martin M. Gossack (ed.), <u>Understanding Consumer Behavior</u>, Boston: Christopher, 1964 (pp. 291-297).

 (1,2)
- Van der Ryn, Sim and Murray Silverstein, Dorms at Berkeley: An Environmental Analysis, Berkeley, California: University of California Press, 1968, Chapter 3 ("Findings and Design Issues," pp. 23-68) and Chapter 4 ("Some Design Proposals," pp. 70-79).

 (5,6)

VIII CONSUMER VALUES

- Beyer, Glenn H., and others, Houses Are for People, Ithaca: Cornell University Housing Research Center Publication #3, 1955.
 (1)
- Cameron, William B., op.cit., Chapter 12 ("People, Things and Ideas," pp. 154-167).

 (1,2)
- Foote, Nelson N. and others, Housing Choices and Housing Constraints, New York: McGraw-Hill, 1966, Chapter 12-14 ("Differentiating," "Site," and "Shell," pp. 308-348).

 (1,2,3,5)
- Gans, Herbert, People and Plans, New York: Basic Books, 1968, Chapter 6 ("The Goal-Oriented Approach to Planning," pp. 78-83) and Chapter 7 ("Memorandum on Social Planning," pp. 84-94).
- Veblen, Thorstein, "Conspicuous Consumption," in Lewis A. Coser and Bernard Rosenberg (eds.) Sociological Theory: A Book of Readings, New York: MacMillan, 1964, (pp. 403-413).

- Werthman, Carl, Jerry Mandel and Ted Dienstfry, Planning and the Purchase Decision: Why People Buy in Planned Communities, Berkeley: Center for Planning and Development Research, Community Development Project Preprint #10, 1965, Introduction (pp. 1-13); Part I (last section, pp. 34-42).

 (1,2,3,4,5,6)
- Whyte, William H., Jr., op.cit., Chapter 24 ("Inconspicuous Consumption," pp. 345-364).

 (1,2,3)

IX IMAGE AND IDEALISM; ETHICS AND GOALS.

- Duncan, Hugh D., Communication and the Social Order. New York:
 Bedminster, 1962, Chapter 20 ("The Communication of Hierarchy," pp. 271-287).

 (5,6)
- Goodwin, Richard N., "Reflections: Sources of the Public Unhappiness," The New Yorker, (January 4, 1969), pp. 38-57.
- Haworth, Lawrence, The Good City, Bloomington: Indiana University Press, 1963, Chapter 4 ("The Good Life: Growth and Duty," pp. 53-62); Chapter 5 ("Moral Power," pp. 63-73) and Chapter 8 ("Community Renewal," pp. 102-128).

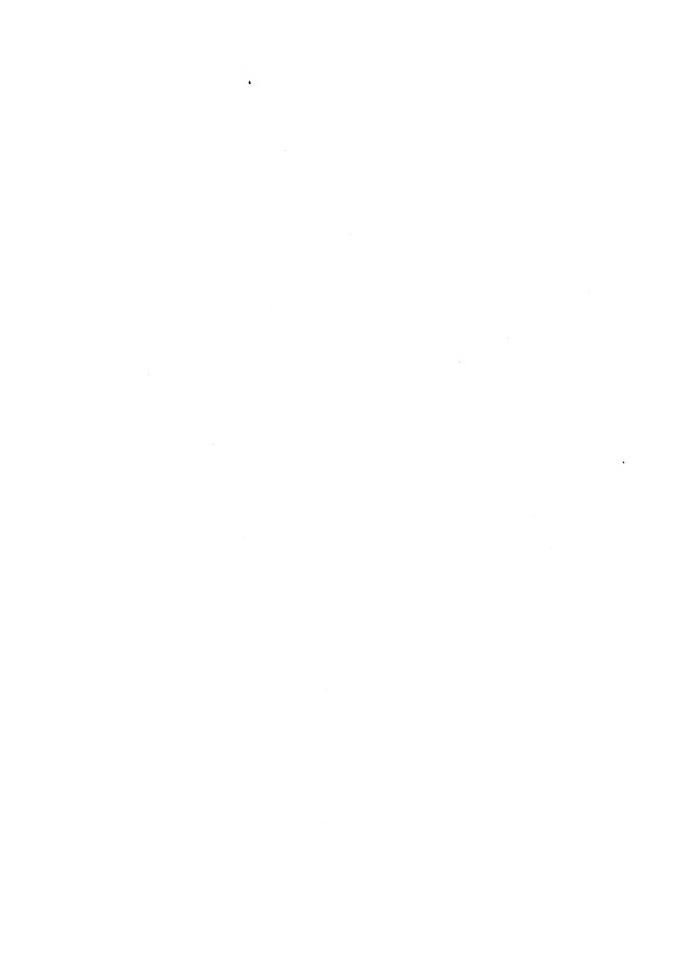
 (1,2)
- Jacobs, Jane, op.cit., Chapter 13 ("The Destruction of Diversity," pp. 241-256).
- Popper, Karl R., The Open Society and Its Enemies, New York:
 Harper and Row, 1962 (4th edition revised, Chapter 9 (Aestheticism, Perfectionism, Utopianism," pp. 157-168).

 (5,6)
- Sommer, Robert, Personal Space, op.cit., Chapter 10 ("Utopia" pp. 145-154).
- Whyte, William H. Jr. and the editors of Fortune, <u>Is Anybody</u>
 Listening, New York: Simon and Schuster, 1952, Chapter 10
 ("The Social Engineers," pp. 206-223).
 (1,5,6)

X PROSPECTS: CONCLUSIONS

Norber-Schultz, Christian, <u>Intentions in Architecture</u>, London: Allen and Unwin, 1963, Part III, Chapter 2, ("The Building Task," pp. 109-130) and Chapter 6 ("The Architectural Totality," pp. 179-189).

(1,2,3)



Parr, A. E., "In Search of Theory VI," Arts and Architecture, 82 (9), 1965 (September) pp. 14-15, 32.

(1)

Sommer, Robert, Personal Space, op.cit., Chapter II ("Behavioral Research and Environmental Programming", pp. 155-172).

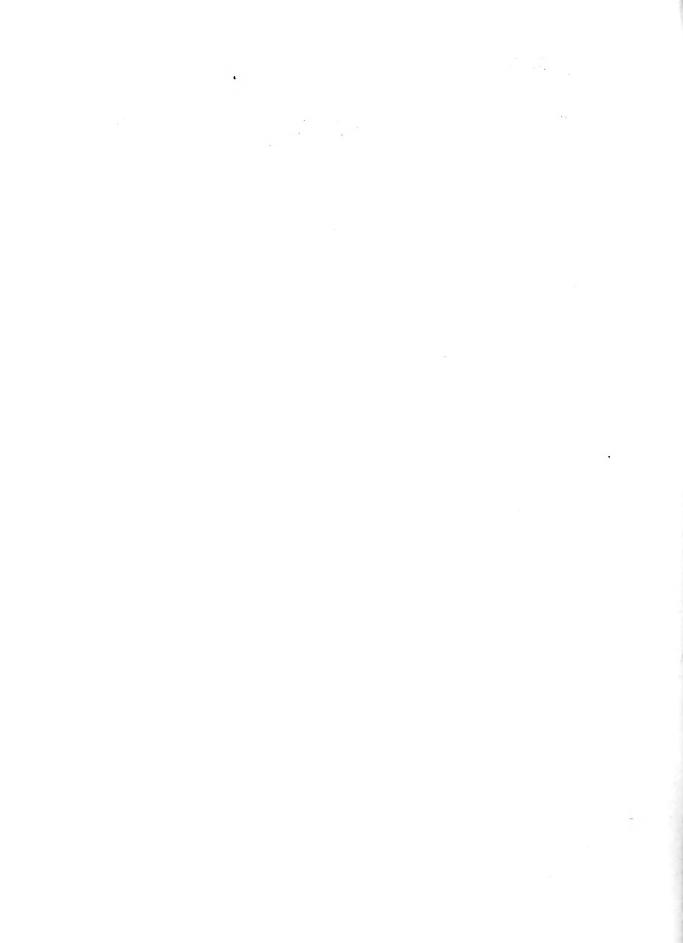
(5,6)

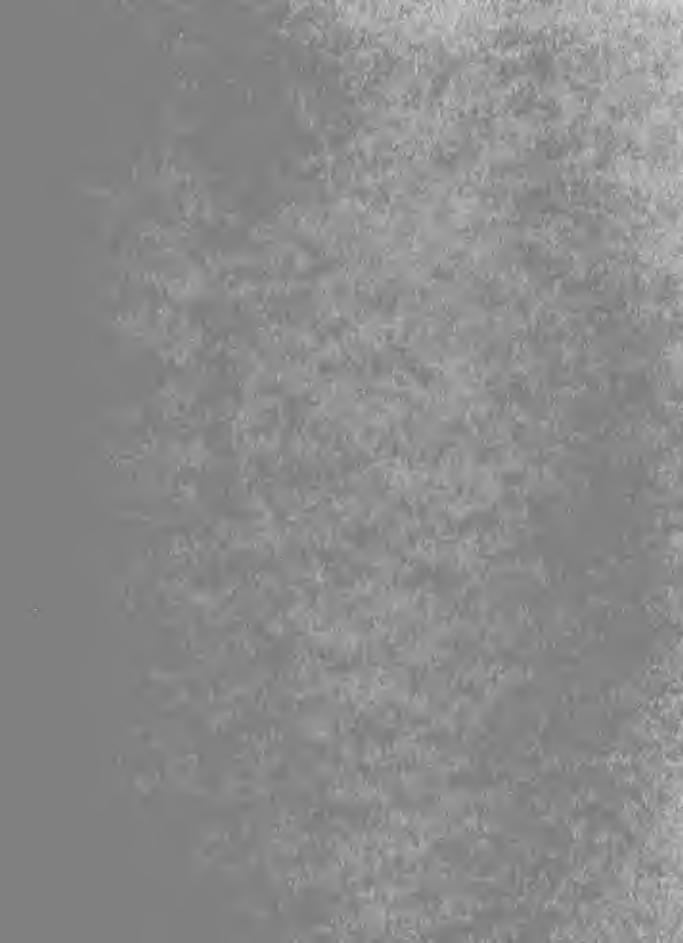
Council of Planning Librarians Exchange Bibliography #201

SOCIAL FACTORS IN ARCHITECTURAL AND URBAN DESIGN

Additional copies available from:

Council of Planning Librarians Post Office Box 229 Monticello, Illinois 61856





UNIVERSITY OF ILLINOIS-URBANA

016.7114C73E C001 EXCHANGE BIBLIOGRAPHY URBANA, ILL 197-207 1971

3 0112 029108948